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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/810,385

DATE: 04/23/2002 P.6
TIME: 08:55:31

Input Set : A:\WARF-0002.txt
Output Set: N:\CRF3\04232002\I810385.raw

3 <110> APPLICANT: Laughon, Allen
5 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NEGATIVE REGULATION OF TGF-BETA
PATHWAYS
7 <130> FILE REFERENCE: WARF-0002
9 <140> CURRENT APPLICATION NUMBER: US 09/810,385
10 <141> CURRENT FILING DATE: 2001-03-16
12 <160> NUMBER OF SEQ ID NOS: 40
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 12
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: LRR repeat sequence.
24 <400> SEQUENCE: 1
25 agacgtctgt ct 12
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 6
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Sequence of Ubx element.
36 <400> SEQUENCE: 2 6
37 ggcgct
40 <210> SEQ ID NO: 3
41 <211> LENGTH: 4
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial Sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: Mutated Ubx element sequence.
48 <400> SEQUENCE: 3 4
49 gtcg
52 <210> SEQ ID NO: 4
53 <211> LENGTH: 5
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Mutated Ubx element sequence.
60 <400> SEQUENCE: 4 5
61 ggcga
64 <210> SEQ ID NO: 5
65 <211> LENGTH: 66
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence

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69 <220> FEATURE:
70 <223> OTHER INFORMATION: Dpp response element sequence.
72 <400> SEQUENCE: 5
73 tagcctgccg tcgcgattcg acaactttgg ccggcacggtt ggcgagtgtg ccatgcatgc 60
75 tgatga 66
78 <210> SEQ ID NO: 6
79 <211> LENGTH: 28
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Dpp response element sequence.
86 <400> SEQUENCE: 6 28
87 aattggactg gcgtcagcgc cggcgctg
90 <210> SEQ ID NO: 7
91 <211> LENGTH: 32
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Synthetic oligonucleotide.
98 <400> SEQUENCE: 7 32
99 tctttctgga ctggcgctcag cgccggcgct ct
102 <210> SEQ ID NO: 8
103 <211> LENGTH: 75
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Synthetic oligonucleotide.
110 <400> SEQUENCE: 8 60
111 aattgttctc acggatccaa aggtttctcac gagatctgtt ctcacggatc caaaggttct 75
113 cacggaattc ggatc
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 52
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Synthetic oligonucleotide.
124 <400> SEQUENCE: 9 52
125 aattagcacc ggcgctgtac agcgccggcg ctaattagcg ccggcgctgt ac
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 12
130 <212> TYPE: PRT
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: BKLF peptide.
136 <400> SEQUENCE: 10
138 Gln Val Glu Pro Val Asp Leu Thr Val Asn Lys Arg
139 1 5 10
142 <210> SEQ ID NO: 11
143 <211> LENGTH: 12

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144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Evi-1 peptide.
150 <400> SEQUENCE: 11
152 Ser Glu Ser Pro Phe Asp Leu Thr Thr Lys Arg Lys
153 1 5 10
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 12
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Evi-1 peptide.
164 <400> SEQUENCE: 12
166 Gln Asp Gln Pro Leu Asp Leu Ser Met Gly Ser Arg
167 1 5 10
170 <210> SEQ ID NO: 13
171 <211> LENGTH: 12
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: AREB6 peptide.
178 <400> SEQUENCE: 13
180 Gln Glu Glu Pro Leu Asn Leu Ser Cys Ala Lys Lys
181 1 5 10
184 <210> SEQ ID NO: 14
185 <211> LENGTH: 12
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: SIP1 peptide.
192 <400> SEQUENCE: 14
194 Thr Pro Ser Pro Leu Asn Leu Ser Ser Thr Ser Ser
195 1 5 10
198 <210> SEQ ID NO: 15
199 <211> LENGTH: 12
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: SIP1 peptide.
206 <400> SEQUENCE: 15
208 Gln Ala Glu Pro Leu Asp Leu Ser Leu Pro Lys Gln
209 1 5 10
212 <210> SEQ ID NO: 16
213 <211> LENGTH: 12
214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: SIP1 peptide.

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220 <400> SEQUENCE: 16
222 Ser Asp Glu Pro Leu Asn Leu Thr Phe Ile Lys Lys
223 1 5 10
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227 <211> LENGTH: 12
228 <212> TYPE: PRT
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: ZEB peptide.
234 <400> SEQUENCE: 17
236 Ser Pro Ser Pro Leu Asn Leu Ser Ser Arg Asn
237 1 5 10
240 <210> SEQ ID NO: 18
241 <211> LENGTH: 12
242 <212> TYPE: PRT
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: ZEB peptide.
248 <400> SEQUENCE: 18
250 Gln Val Glu Pro Leu Asp Leu Ser Leu Lys Gln Gln
251 1 5 10
254 <210> SEQ ID NO: 19
255 <211> LENGTH: 12
256 <212> TYPE: PRT
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: FOG peptide.
262 <400> SEQUENCE: 19
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265 1 5 10
268 <210> SEQ ID NO: 20
269 <211> LENGTH: 12
270 <212> TYPE: PRT
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: CtIP peptide.
276 <400> SEQUENCE: 20
278 Met Asp Lys Pro Leu Asp Leu Ser Asp Arg Phe Ser
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282 <210> SEQ ID NO: 21
283 <211> LENGTH: 12
284 <212> TYPE: PRT
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Kruppel peptide.
290 <400> SEQUENCE: 21
292 Glu Glu Ala Pro Leu Asp Leu Ser Glu Asp Gly Ala
293 1 5 10
296 <210> SEQ ID NO: 22

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297 <211> LENGTH: 12
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Kruppel peptide.
304 <400> SEQUENCE: 22
306 Gln Thr Glu Pro Glu Asp Leu Ser Met His Ser Pro
307 1 5 10
310 <210> SEQ ID NO: 23
311 <211> LENGTH: 12
312 <212> TYPE: PRT
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Zfh-1 peptide.
318 <400> SEQUENCE: 23
320 Glu Asp Gln Pro Leu Asp Leu Ser Val Lys Arg Asp
321 1 5 10
324 <210> SEQ ID NO: 24
325 <211> LENGTH: 12
326 <212> TYPE: PRT
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Ush peptide.
332 <400> SEQUENCE: 24
334 Gln Glu Gly Pro Met Asp Leu Ser Met His Ser Pro
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338 <210> SEQ ID NO: 25
339 <211> LENGTH: 12
340 <212> TYPE: PRT
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Shn peptide.
346 <400> SEQUENCE: 25
348 Ser Lys Asn Pro Lys Gln Leu Ser Arg Ser Arg Ser
349 1 5 10
352 <210> SEQ ID NO: 26
353 <211> LENGTH: 12
354 <212> TYPE: PRT
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Shn peptide.
360 <400> SEQUENCE: 26
362 Pro Val Met Pro Leu Asn Leu Ser Ala Lys Pro Lys
363 1 5 10
366 <210> SEQ ID NO: 27
367 <211> LENGTH: 12
368 <212> TYPE: PRT
369 <213> ORGANISM: Artificial Sequence
371 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:39; Xaa Pos. 9

VERIFICATION SUMMARY

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L:550 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0